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the school have kindly invited the members of the congress to visit the castle and grounds on the Saturday afternoon.

Relics of Napier, collected by Lord Napier and Ettrick and other representatives of the family, will also be on view; and it is intended to bring together for exhibition books of tables and forms of calculating machines, which may reasonably be regarded as natural developments of the great advance made by Napier.

Individuals, societies, universities, public libraries, etc., may become founder members on payment of a minimum subscription of £2; and each founder member will receive a copy of the memorial volume, which will contain addresses and papers read before the congress, and other material of historic and scientific value. It is important to secure as many founder members as possible, so that a volume may be brought out worthy of the memory of Napier.

Ordinary subscribers attending the celebration may receive copies of the memorial volume at a reduced price.

Subscriptions and donations should be sent to the honorary treasurer, Mr. Adam Tait, Royal Bank of Scotland, St. Andrew Square, Edinburgh.

All who are interested in this proposed celebration are respectfully invited to communicate with the general secretary of the Royal Society of Edinburgh, 22 George Street, Edinburgh, and to announce their intention of being present.

C. G. KNOTT,
General Secretary

ROYAL SOCIETY OF EDINBURGH

THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

THE council met at the Cosmos Club, Washington, on Tuesday, April 21, 1914, at 5:45 P.M. In the absence of the chairman, Mr. Diller presided. Those present were: Messrs. Bowie, Cattell, Diller, Gulliver, J. A. Holmes, Howard, Humphreys, D. S. Johnson, John Johnston, Kober, Metcalf, Pickering, Shear, Trelease and Twitmeyer.

The financial report of the permanent sec-

retary was read and, on motion, was approved and ordered printed.

Mr. Cattell submitted the report of the committee on policy.

On motion, the following resolutions recommended by the committee on policy were adopted *ad seriatim*:

1. *Resolved*, that Professor Pickering be added to the committee on policy.

2. *Resolved*, that Dr. E. W. Allen, of the office of experiment stations, U. S. Department of Agriculture, be elected secretary of Section M (Agriculture) and that he be authorized, with Professor L. H. Bailey, vice-president of the section, to nominate the sectional committee for Section M and also its representative on the council.

3. *Resolved*, that the permanent secretary be instructed to inform Dr. Robert M. Ogden that no funds can be provided for the present for the associate secretary for the south beyond necessary clerical expenses.

4. *Resolved*, that the first of the Jane M. Smith life memberships be awarded to Professor Charles Henry Peck, of Albany.

5. *Resolved*, that the entrance fee be remitted to members of the Pacific Association of Scientific Societies who join the American Association during the present year.

6. *Resolved*, that the council authorize a grant of four hundred dollars to the Pacific coast committee for the expenses of its membership committee.

7. *Resolved*, that the council authorize the Pacific coast committee to adopt the constitution for the Pacific Division and that it be suggested that the second clause of the second paragraph of Article 3, beginning with the word "except," of the constitution submitted, be omitted.

8. *Resolved*, that the council give the treasurer full power to act for the association in the Colburn will case.

9. *Resolved*, that the council authorizes the appointment of Messrs. Eliot, Minot and Pickering as a committee to take the necessary steps to amend the charter of the association increasing the amount of property which may be held by the association.

10. *Resolved*, that the clerical expenses of the committee of one hundred on scientific research and its subcommittees be met from the income from the permanent funds of the association.

11. *Resolved*, that the council welcomes the action of the council of the American Chemical So-

ciety favoring the plan of holding meetings jointly with the American Association at four-year intervals.

12. *Resolved*, that the publication of the constitution and list of members be postponed until January, 1915.

On motion, it was resolved that the sectional committee of Section C be empowered to elect its vice-president and chairman for the Philadelphia meeting in consultation with the committee on policy.

L. O. HOWARD,
Permanent Secretary

SCIENTIFIC NOTES AND NEWS

DR. GEORGE WILLIAM HILL, distinguished for his contributions to mathematical astronomy, has died at the age of seventy-six years.

DR. CHARLES SANTIAGO SANDERS PEIRCE, known for his work in logic and mathematics, died on April 19, aged seventy-four years.

THE National Academy of Sciences on April 22 presented its "medals for eminence in the application of science to the public welfare," to Colonel George Washington Goethals and Brigadier General William Crawford Gorgas. The presentation was made by Dr. William H. Welch, president of the academy, at a dinner held in honor of the retiring president, Dr. Ira Remsen, and the retiring home secretary, Dr. Arnold Hague.

MEMBERS of the National Academy of Sciences were elected at the annual meeting on April 23 as follows: Ernest Merritt, physicist, Cornell University; Moses Gomberg, chemist, University of Michigan; Edward Curtis Franklin, chemist, Stanford University; Frederick Leslie Ransome, geologist, U. S. Geological Survey; Nathaniel Lord Britton, botanist, New York Botanical Garden; Henry Herbert Donaldson, neurologist, Wistar Institute of Anatomy; Herbert Spencer Jennings, zoologist, The Johns Hopkins University; Francis Gano Benedict, chemist, nutrition laboratory of the Carnegie Institution; Walter Bradford Cannon, physiologist, Harvard University; Jesse Walter Fewkes, ethnologist, Bureau of American Ethnology.

At its annual meeting in Philadelphia on April 25, the American Philosophical Society elected to membership the following residents of the United States: Charles Greeley Abbot, Washington; James Wilson Bright, Baltimore; Bradley Moore Davis, Philadelphia; Thomas McCrae, Philadelphia; William Diller Matthew, New York; Alfred Goldsborough Mayer, Washington; Samuel Jones Meltzer, New York; John Campbell Merriam, Berkeley; Robert Andrews Millikan, Chicago; William Albert Noyes, Urbana; Stewart Paton, Princeton; Richard Mills Pearce, Philadelphia; Palmer Chamberlaine Ricketts, Troy; Harold A. Wilson, Houston; Frederick Eugene Wright, Washington. Foreign residents were elected as follows: Shibasaburo Kitasato, Tokyo; Heike Kamerlingh Onnes, Leyden; Vito Volterra, Rome.

PROFESSOR MOSES GOMBERG, of the University of Michigan, has been given the gold medal of the New York section of the American Chemical Society for his work on the trivalence of carbon.

PRINCE GALITZIN will preside over the fifth meeting of the International Seismological Association, to be held in St. Petersburg in September.

DR. J. D. FALCONER, lecturer in geography in the University of Glasgow, has been appointed by the trustees of the British Museum to the Swiney lectureship in geology, in succession to Dr. T. J. Jehu.

OLIVER BOWLES, of the department of geology and mineralogy, University of Minnesota, has been appointed quarry technologist in the division of mineral technology, Bureau of Mines, Washington, D. C.

DURING the absence abroad of Mr. William H. Fox, director of the museums of the Brooklyn Institute of Arts and Sciences, Mr. Robert Cushman Murphy, curator of mammals, is acting director.

THE German geographer, Dr. Ewald Banse, has started on an expedition for the exploration of the Libyan desert.

B. M. PATTEN, Ph.D., has received an appointment from the United States Fisheries